

SPECIFICATION AMENDMENTS

Page 1, before the Field of the Invention, add the following paragraph --

CROSS REFERENCE TO RELATED APPLICATION

This application is based upon German national applications 102 58 688.8 of 13 December 2002 and 103 47 200.2 of 10 October 2003 under the International Convention and 35 USC 119.

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Page 2, replace the paragraph beginning with line 1 to read --

In these relationships $[H]$ represents the concentration of hydrogen and $[N]$ the concentration of nitrogen. In relationship [[2]] (2) k_H and k_N are constants and the pressures are the partial pressures of hydrogen and nitrogen, respectively. --

Replace the paragraph beginning with line 5 to read --

The concentrations of atomically dissolved elements, in the case of diatomic molecules is [[the]] proportional to the fourth root of the partial pressure in the surrounding gas phase (Sievert's law). --

Page 12, rewrite the paragraphs beginning at line 15 to read --

FIGS. 1 and 2 are graphs which illustrate the example described below; [[and]]

FIG. 3 is a cross section through an RH apparatus for carrying out the invention; and

FIG. 4 is a section showing another embodiment. --

Page 15, after line 11, begin a new paragraph to read --

In FIG. 4, we have shown a system similar to that of FIG. 1 but wherein a cell wheel gate 19b and 19b' is used to meter the degasification solid into the molten steel. In FIG. 4, the solid is blown into the melt by nozzles 20" opening below the surface of the melt and fed with the blowing fluid at 19a, the cell wheel gate 19b metering the solid pieces from a hopper 19" into the fluid. In FIG. 4 the solid can also be blown into the melt by the lance 20' receiving the blowing fluid at 19a' and the pieces from the hopper 19' from the cell wheel gate 19b'. --